

Alexander J. Ryncarz

U.S.S.N. 08/791,240

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On page 51, line 20, delete "Application Serial No. 07/555,323, filed July 19, 1990" and add --Number 5,595,891--.

On page 68, line 19, delete "Application Serial No. 07/555,323 filed July 19, 1990" and add --Number 5,595,891--.

On page 68, line 20, delete "Application Serial No. 07/555,968" and add --Number 5,439,793--.

On page 69, lines 4 and 5, delete "Application Serial No. 07/555,323 filed July 19, 1990" and add --Number 5,595,891--.

On page 75, line 18, delete "Triton X-100" and add --TRITON® X-100 (polyoxyethylene (10) isooctylphenyl ether) --.

#### IN THE CLAIMS:

Please amend the following claims 1, 2, 9, 25, and 39 as follows.

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1. (Amended) In a method for forming multiple copies of a target sequence of a target polynucleotide, said method comprising the steps of combining a sample with reagents for forming said multiple copies, subjecting said sample to polynucleotide amplification conditions sufficient to form the multiple copies if the target sequence is present in said sample, said reagents comprising an oligonucleotide primer and polymerase; and forming extension products of [an] the oligonucleotide primer at least along said target sequence or along an extended oligonucleotide primer complimentary to said oligonucleotide primer, said extension products being copies of said target sequence, the improvement which comprises forming said extension products in the presence of a second polynucleotide, to which said oligonucleotide primer hybridizes except for a 3'-mismatch on [the 3'-end of] said oligonucleotide primer, under polynucleotide amplification conditions wherein the extension of said oligonucleotide primer along said second polynucleotide is controlled by the 3'-mismatch relative to the extension of said oligonucleotide primer along said target sequence.